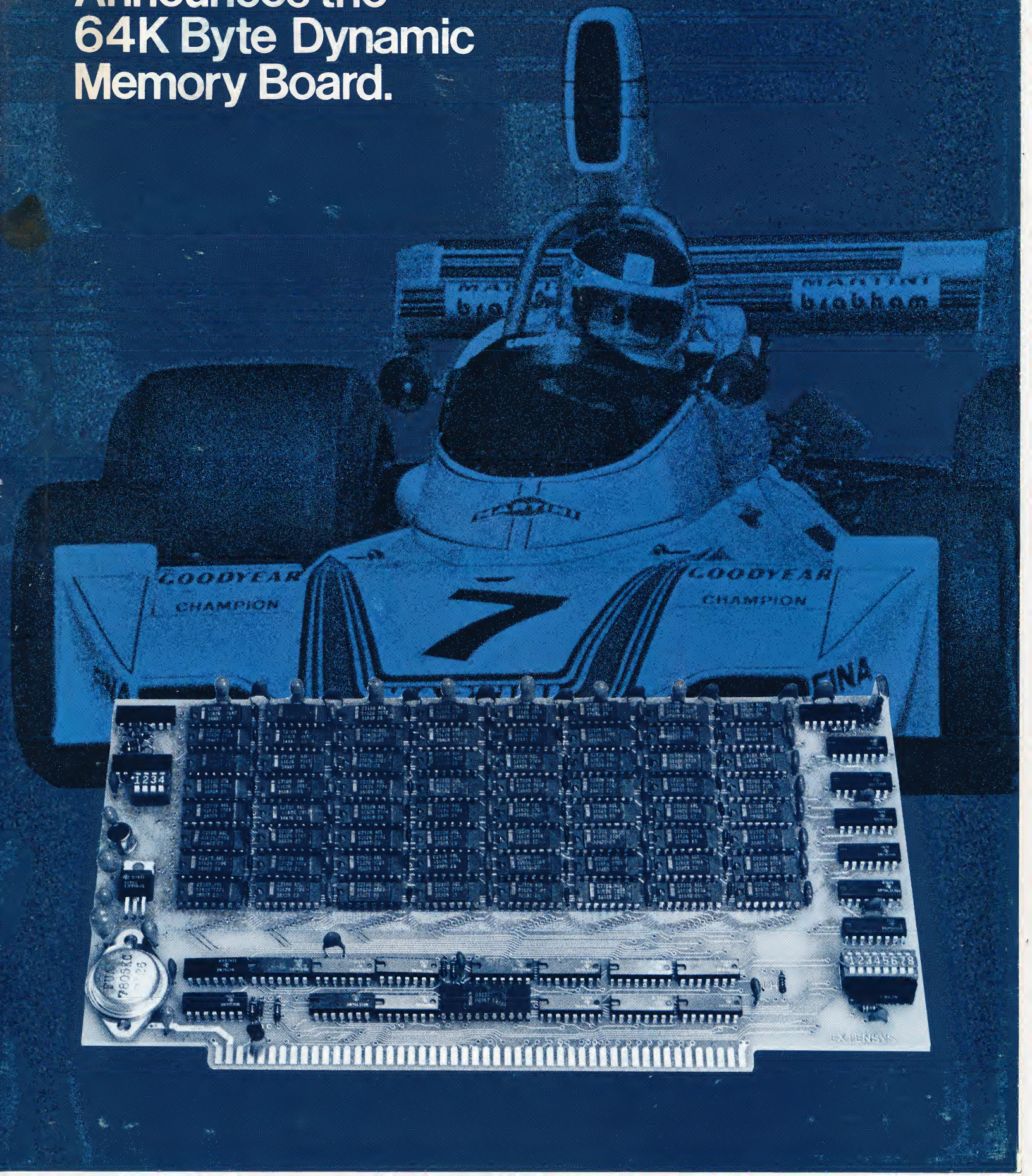
WCCF 77

Extensys Announces the 64K Byte Dynamic Memory Board.



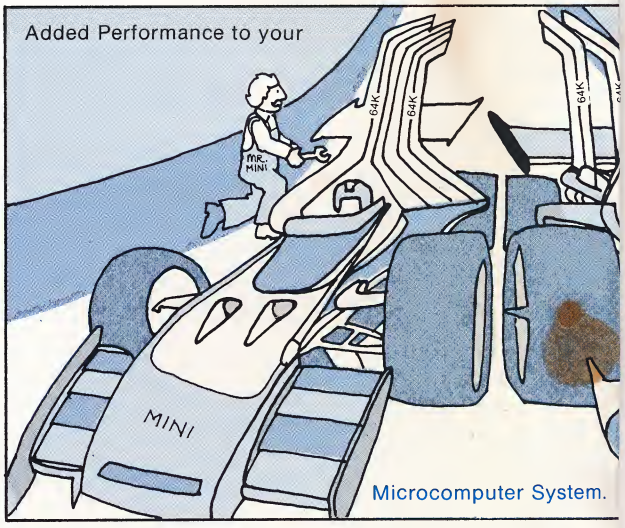
Faster...Powerful A Winner.

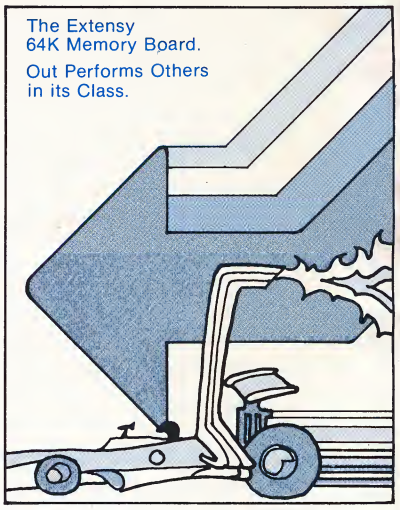
EXTENSYS CORPORATION is happy to present the RM64 memory board. This memory board provides the most cost effective means for system memory addition found in the industry. In addition, the board is S-100 bus compatible making it usable in over a dozen different microcomputer systems including ALTAIR and IMSAI.

The board comes in three configurations: 32K, 48K or 64K bytes and is completely assembled, checked out and burned in for at least 50 hours prior to shipment. This complete testing procedure allows EXTENSYS to provide a one year warranty on parts, labor and materials (assuming no misuse of the board occurs).

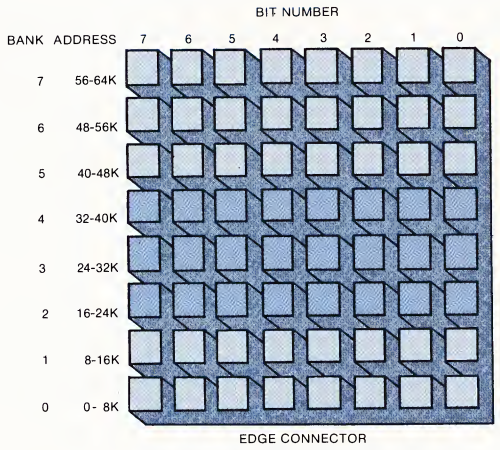
On board hardware is provided for:

- Individual memory bank address selection in 8K byte increments;
- Complete dynamic refresh logic without loss of processing efficiency while programs are running;
- Board select logic which allows more than one 64K byte board per system;
- S-100 bus compatibility including on-board voltage regulator;
- Memory overlap which allows memory sharing the same address space to coexist in the same system; and
- Write protection in 16K blocks.

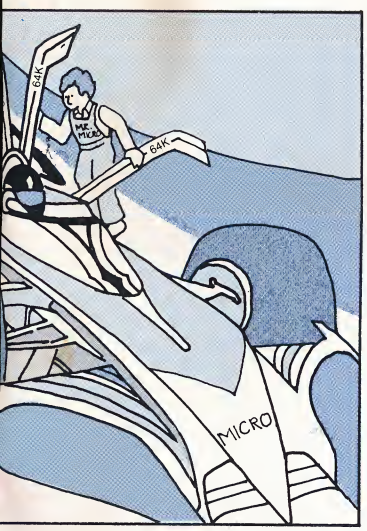




Layout of RAM Array

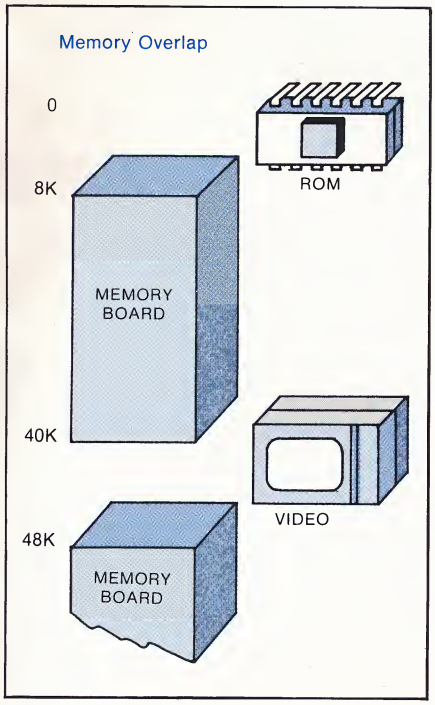


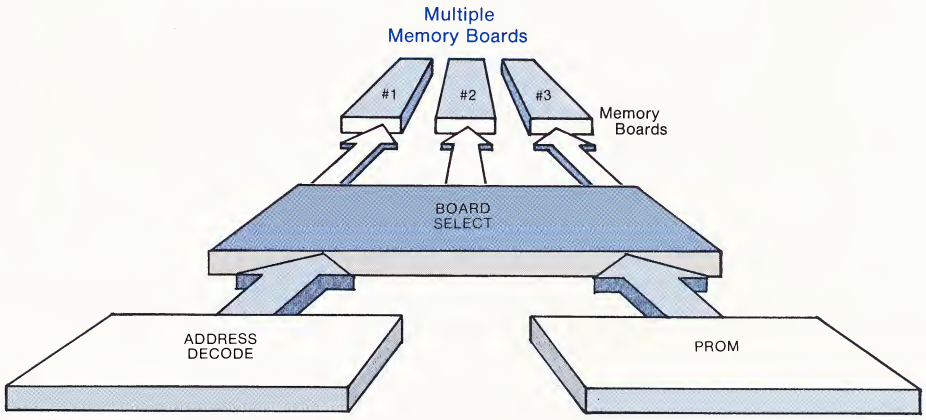
The memory board is divided into eight 8192 byte address spaces. The Intel® 1x8K 2108 memory chips are inserted into sockets on the board which correspond to the actual address space desired. There are on board switches that correspond to the 8K memory banks that are available. For instance, the RM64-48 48K byte memory board would have two switches set to indicate the absence of 16K bytes of memory.



Memory can be protected in 16K byte increments using the hardware write protect features on the board. If the write protect switch is on, memory writes are ignored but memory reads are honored.

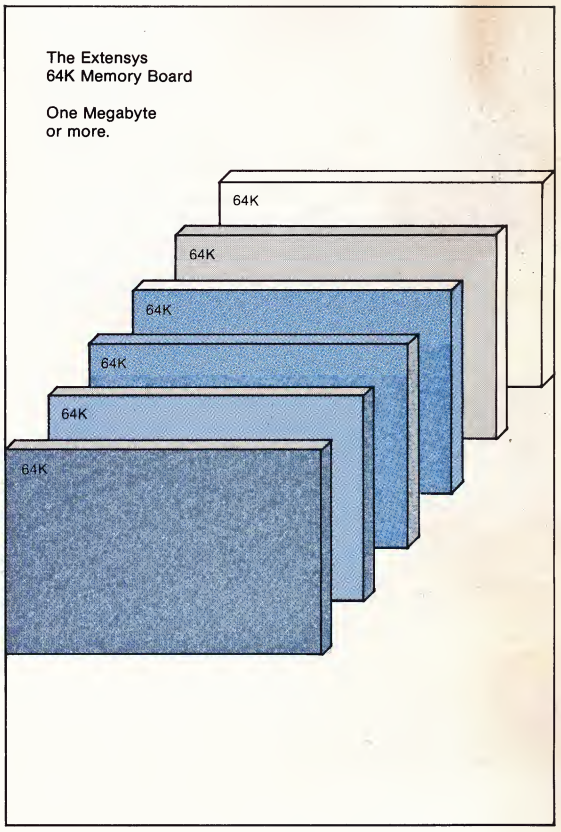
The 5x10″ PC board contains 65,536 bytes and has hardware provision for bank switching to 1 million bytes or more. In addition to the hardware on the memory board, some additional hardware and a software routine are required to implement complete bank switching. This information is completely described in our application bulletin.





There is a special provision built into the board to allow for memory overlap. A read may occur from both RAM and PROM, but the bus drivers are inhibited on the RAM board to prevent a bus conflict. This allows PROM reads to have precedence over RAM reads.

The memory board is S-100 bus compatible, making it usable on almost all microcomputers including the popular ALTAIR and IMSAI systems. The voltage requirements are +12v at 300mA, +5v at 750mA and -5v at 1mA. The memory board has a cycle time of 500 nanoseconds with a 400 nanosecond access time. All boards are fully assembled, tested and burned in for at least 50 hours prior to shipment.



Terms

- Check or money order with order;
- BankAmericard or Master Charge
- California residents add 6½% sales tax.

Delivery:
15-30 days.

Warranty:
One year.

To order, fill out the attached Business Reply Postcard.

extensys corporation

EXTENSYS, Corp.
592 Weddell Drive, Suite 3
Sunnyvale, CA 94086 (408) 734-1525

Please place my order for the following:

QTY	DESCRIPTION	AMOUNT
_____	RM64-32K byte board @ $ 895 ea.	$ _____
_____	RM64-48K byte board @ $1195 ea.	_____
____	RM64-64K byte board @ $1495 ea.	_____
	Subtotal	$ _____
	California residents add 6½% tax	_____
	TOTAL	$ _____

Shipping and handling prepaid in Continental United States

Please check method of payment:

____Check Enclosed
____BankAmericard #_____
Expiration Date _____
____ Master Charge #_____
Expiration Date_____

SIGNATURE:

NAME _____

ADDRESS_____

CITY_____STATE _____ ZIP _____

PHONE (INCLUDE AREA CODE) (_____) _____

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